



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	02/01/12 10:45- 02/03/12 15:20
Contact.....	Rich Fetzer
Report Date.....	03/01/12 14:08
Project #.....	DAS R33907
Work Order.....	1202001

Analyses included in this report:

Anions By IC 300.0	Nitrite+Nitrate as Nitrogen by EPA 353.2 FIA
Oil & Grease 1664	Total Dissolved Solids by 2540C
Total Mercury by 245.1	Total Nitrogen by mod. EPA 353.2 FIA.
Total Phosphorus by Bran&Lube 365.4	Total Suspended Solids by 2540D

Approved for Release

OASQA Representative

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Report Narrative

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Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:

This report contains results for Inorganic analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202001-06, -15, -19, -34, -35, -36 and 1202001-47 thru -50 are not included in this report since these samples were designated for Volatile Organic analysis only.

For Work Order 1202001 - **This is Report 3 of 3.**

All samples were received intact and at proper temperature.

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

TDS/TSS Analysis Note:

All required instrument QC was run and was within the required criteria.

Nitrite/Nitrate and Total Nitrogen Analysis Note:

Samples were run as an on-demand analysis.

Result for nitrate/nitrite for sample 1202001-44 was qualified estimated 'J' due to the laboratory matrix spike results outside of criteria limits.

Result for total nitrogen for sample 1202001-13 was qualified estimated 'J' due to the laboratory duplicate results outside of criteria limits.

Oil and Grease Analysis Note:

Samples were run as an on-demand analysis.

The quantitation limit for several samples was qualified estimated 'UJ' due to the laboratory minimum reporting limit quality control check outside of criteria limits.

Samples were received in containers not conducive to use on the Horizon SPE-DEX automated system. Therefore, manual extraction



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Report Narrative

technique was used for all samples. Refer to notes in the case file for additional information.

Mercury Analysis Note:

All required instrument QC was run and was within the required criteria.

Total Phosphorus Analyses Note:

Samples were run as an on-demand analysis.

All required instrument QC was run and was within the required criteria.

Anions Analysis Note:

All required instrument QC was run and was within the required criteria.

REPORT 3 of 3



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW42	1202001-01	Drinking Water	02/02/12 10:28	02/3/12 11:00
HW42-F	1202001-02	Drinking Water	02/02/12 10:28	02/3/12 11:00
HW46	1202001-03	Drinking Water	02/02/12 11:39	02/3/12 11:00
HW46-F	1202001-04	Drinking Water	02/02/12 11:39	02/3/12 11:00
HW46-P	1202001-05	Drinking Water	02/02/12 11:24	02/3/12 11:00
FB09	1202001-07	Water	02/02/12 10:15	02/3/12 11:00
FB08	1202001-08	Water	02/01/12 14:45	02/3/12 11:00
FB08-F	1202001-09	Water	02/01/12 14:45	02/3/12 11:00
HW34a	1202001-10	Drinking Water	02/01/12 15:47	02/3/12 11:00
HW34a-F	1202001-11	Drinking Water	02/01/12 10:45	02/3/12 11:00
FB09-F	1202001-12	Water	02/02/12 10:15	02/3/12 11:00
HW42z	1202001-13	Drinking Water	02/02/12 10:29	02/3/12 11:00
HW42z-F	1202001-14	Drinking Water	02/02/12 10:29	02/3/12 11:00
HW46-PF	1202001-16	Drinking Water	02/02/12 11:24	02/3/12 11:00
HW34a-P	1202001-17	Drinking Water	02/01/12 15:55	02/3/12 11:00
HW34a-PF	1202001-18	Drinking Water	02/01/12 15:55	02/3/12 11:00
HW28a	1202001-20	Drinking Water	02/03/12 11:49	02/4/12 11:10
HW28a-F	1202001-21	Drinking Water	02/03/12 11:49	02/4/12 11:10
HW28a-P	1202001-22	Drinking Water	02/03/12 11:52	02/4/12 11:10
HW39	1202001-23	Drinking Water	02/03/12 10:42	02/4/12 11:10
HW39-P	1202001-24	Drinking Water	02/03/12 11:13	02/4/12 11:10
HW39-PF	1202001-25	Drinking Water	02/03/12 11:13	02/4/12 11:10
HW40	1202001-26	Drinking Water	02/02/12 15:39	02/4/12 11:10
HW40-F	1202001-27	Drinking Water	02/02/12 15:39	02/4/12 11:10
HW40-P	1202001-28	Drinking Water	02/02/12 15:44	02/4/12 11:10
HW40-PF	1202001-29	Drinking Water	02/02/12 15:44	02/4/12 11:10



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW41	1202001-30	Drinking Water	02/02/12 16:12	02/4/12 11:10
HW41-F	1202001-31	Drinking Water	02/02/12 16:12	02/4/12 11:10
HW41-P	1202001-32	Drinking Water	02/02/12 15:54	02/4/12 11:10
HW41-PF	1202001-33	Drinking Water	02/02/12 15:54	02/4/12 11:10
HW28b-PF	1202001-37	Drinking Water	02/03/12 14:27	02/6/12 16:40
HW28a-PF	1202001-38	Drinking Water	02/03/12 11:52	02/6/12 16:40
HW39-F	1202001-39	Drinking Water	02/03/12 10:42	02/6/12 16:40
HW09-PF	1202001-40	Drinking Water	02/03/12 15:16	02/6/12 16:40
FB10-F	1202001-41	Water	02/03/12 14:09	02/6/12 16:40
HW09-F	1202001-42	Water	02/03/12 15:20	02/6/12 16:40
HW28b-P	1202001-43	Drinking Water	02/03/12 14:27	02/6/12 16:40
HW09	1202001-44	Drinking Water	02/03/12 15:20	02/6/12 16:40
HW09-P	1202001-45	Drinking Water	02/03/12 15:16	02/6/12 16:40
FB10	1202001-46	Water	02/03/12 14:09	02/6/12 16:40
HW39-RO	1202001-51	Water	02/03/12 11:01	02/6/12 16:40



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Site Name: **Dimock Residential Groundwater**Project #: **DAS R33907****Physical Parameters**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-01								
Station ID: HW42								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	52		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-03								
Station ID: HW46								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	97		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-05								
Station ID: HW46-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	139		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-07								
Station ID: FB09								
Sample Matrix: Water								
Collected: 02/02/2012								
Total Dissolved Solids	U		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-08								
Station ID: FB08								
Sample Matrix: Water								
Collected: 02/01/2012								
Total Dissolved Solids	U		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-10								
Station ID: HW34a								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Total Dissolved Solids	199		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-13								
Station ID: HW42z								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	34		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-17								
Station ID: HW34a-P								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Total Dissolved Solids	192		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-20								
Station ID: HW28a								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	56		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-22								
Station ID: HW28a-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	48		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-23								
Station ID: HW39								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	264		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-24								
Station ID: HW39-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	279		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-26								
Station ID: HW40								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	181		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-28								
Station ID: HW40-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	143		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-30								
Station ID: HW41								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	194		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-32								
Station ID: HW41-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Total Dissolved Solids	195		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-43								
Station ID: HW28b-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	61		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-44								
Station ID: HW09								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	106		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-45								
Station ID: HW09-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Total Dissolved Solids	110		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-46								
Station ID: FB10								
Sample Matrix: Water								
Collected: 02/03/2012								
Total Dissolved Solids	U		10	mg/L	1	02/07/12	02/08/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/07/12	02/08/12 09:15	SM2540D/R3QA106

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-01								
Station ID: HW42								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	0.930		0.050	mg/L	1	02/22/12	02/22/12 12:08	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:33	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Classical Chemistry Parameters**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-03								
Station ID: HW46								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	3.66		0.050	mg/L	1	02/22/12	02/22/12 12:09	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	3.86		1.00	mg/L	1	02/21/12	02/23/12 17:34	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-05								
Station ID: HW46-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	3.64		0.050	mg/L	1	02/22/12	02/22/12 12:11	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	3.87		1.00	mg/L	1	02/21/12	02/23/12 17:36	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-07								
Station ID: FB09								
Sample Matrix: Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:12	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:37	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-08								
Station ID: FB08								
Sample Matrix: Water								
Collected: 02/01/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:13	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:39	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-10								
Station ID: HW34a								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:14	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:40	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-13								
Station ID: HW42z								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	0.914		0.050	mg/L	1	02/22/12	02/22/12 12:18	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U	J	1.00	mg/L	1	02/21/12	02/23/12 17:44	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-17								
Station ID: HW34a-P								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:20	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:47	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-20								
Station ID: HW28a								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	0.859		0.050	mg/L	1	02/22/12	02/22/12 12:23	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:50	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-22								
Station ID: HW28a-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	0.860		0.050	mg/L	1	02/22/12	02/22/12 12:24	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.0	mg/L	1	02/22/12	02/22/12 15:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:51	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-23								
Station ID: HW39								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:25	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:53	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-24								
Station ID: HW39-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:27	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 17:54	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-26								
Station ID: HW40								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	1.44		0.050	mg/L	1	02/22/12	02/22/12 12:28	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	1.44		1.00	mg/L	1	02/21/12	02/23/12 17:55	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-28								
Station ID: HW40-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	1.45		0.050	mg/L	1	02/22/12	02/22/12 12:32	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	1.41		1.00	mg/L	1	02/21/12	02/23/12 17:57	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-30								
Station ID: HW41								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:33	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 18:01	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-32								
Station ID: HW41-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:34	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 18:02	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-43								
Station ID: HW28b-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	0.858		0.050	mg/L	1	02/22/12	02/22/12 12:35	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 18:04	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-44								
Station ID: HW09								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	2.39	J	0.050	mg/L	1	02/22/12	02/22/12 12:38	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	2.63		1.00	mg/L	1	02/21/12	02/23/12 18:07	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-45								
Station ID: HW09-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Nitrite + Nitrate as N	2.41		0.050	mg/L	1	02/22/12	02/22/12 12:40	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	2.59		1.00	mg/L	1	02/21/12	02/23/12 18:09	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202001-46							
Station ID:	FB10							
Sample Matrix:	Water							
Collected:	02/03/2012							
Nitrite + Nitrate as N	U		0.050	mg/L	1	02/22/12	02/22/12 12:41	EPA 353.2
Oil & Grease (HEM)	U		5.0	mg/L	1	02/24/12	02/24/12 16:03	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	02/21/12	02/23/12 18:11	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	02/15/12	02/16/12 14:14	EPA 365.4

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202001-01							
Station ID:	HW42							
Sample Matrix:	Drinking Water							
Collected:	02/02/2012							
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	14.2		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	8.92		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-03								
Station ID: HW46								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	32.3		1.25	mg/L	5	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	17.7		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-05								
Station ID: HW46-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	32.2		1.25	mg/L	5	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	17.7		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-07								
Station ID: FB09								
Sample Matrix: Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	U		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-08								
Station ID: FB08								
Sample Matrix: Water								
Collected: 02/01/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	U		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-10								
Station ID: HW34a								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	49.5		2.50	mg/L	10	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	1.08		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-13								
Station ID: HW42z								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	14.1		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	8.95		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-17								
Station ID: HW34a-P								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	49.4		2.50	mg/L	10	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	1.01		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-20								
Station ID: HW28a								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	11.3		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	10.7		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Lab ID: 1202001-22								
Station ID: HW28a-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	11.2		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	10.8		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-23								
Station ID: HW39								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Bromide	0.955		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	107		2.50	mg/L	10	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	0.928		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Lab ID: 1202001-24								
Station ID: HW39-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Bromide	0.986		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	112		2.50	mg/L	10	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	0.816		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-26								
Station ID: HW40								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	35.3		1.25	mg/L	5	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	13.0		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-28								
Station ID: HW40-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	34.4		1.25	mg/L	5	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	13.0		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-30								
Station ID: HW41								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	0.910		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	6.96		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202001-32							
Station ID:	HW41-P							
Sample Matrix:	Drinking Water							
Collected:	02/02/2012							
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	0.925		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	7.03		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202001-43							
Station ID:	HW28b-P							
Sample Matrix:	Drinking Water							
Collected:	02/03/2012							
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	11.2		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	10.7		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Anions**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-44								
Station ID: HW09								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	13.7		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	18.7		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-45								
Station ID: HW09-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	13.8		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO4	18.7		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Anions**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-46								
Station ID: FB10								
Sample Matrix: Water								
Collected: 02/03/2012								
Bromide	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Chloride	U		0.250	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108
Sulfate as SO ₄	U		0.500	mg/L	1	02/14/12	02/14/12 10:44	EPA 300.0/R3QA108



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1202001-01**Station ID:** HW42**Sample Matrix:** Drinking Water**Collected:** 02/02/2012

Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 10:49	EPA 245.1/R3QA131
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Lab ID: 1202001-02**Station ID:** HW42-F**Sample Matrix:** Drinking Water**Collected:** 02/02/2012

Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 10:53	EPA 245.1/R3QA131
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Lab ID: 1202001-03**Station ID:** HW46**Sample Matrix:** Drinking Water**Collected:** 02/02/2012

Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 10:57	EPA 245.1/R3QA131
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Lab ID: 1202001-04**Station ID:** HW46-F**Sample Matrix:** Drinking Water**Collected:** 02/02/2012

Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 10:59	EPA 245.1/R3QA131
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Lab ID: 1202001-05**Station ID:** HW46-P**Sample Matrix:** Drinking Water**Collected:** 02/02/2012

Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:01	EPA 245.1/R3QA131
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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-07								
Station ID: FB09								
Sample Matrix: Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:07	EPA 245.1/R3QA131
Lab ID: 1202001-08								
Station ID: FB08								
Sample Matrix: Water								
Collected: 02/01/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:09	EPA 245.1/R3QA131
Lab ID: 1202001-09								
Station ID: FB08-F								
Sample Matrix: Water								
Collected: 02/01/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:11	EPA 245.1/R3QA131
Lab ID: 1202001-10								
Station ID: HW34a								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:13	EPA 245.1/R3QA131
Lab ID: 1202001-11								
Station ID: HW34a-F								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:15	EPA 245.1/R3QA131



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-12								
Station ID: FB09-F								
Sample Matrix: Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:18	EPA 245.1/R3QA131
Lab ID: 1202001-13								
Station ID: HW42z								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:20	EPA 245.1/R3QA131
Lab ID: 1202001-14								
Station ID: HW42z-F								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:22	EPA 245.1/R3QA131
Lab ID: 1202001-16								
Station ID: HW46-PF								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:24	EPA 245.1/R3QA131
Lab ID: 1202001-17								
Station ID: HW34a-P								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:30	EPA 245.1/R3QA131



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-18								
Station ID: HW34a-PF								
Sample Matrix: Drinking Water								
Collected: 02/01/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:34	EPA 245.1/R3QA131
Lab ID: 1202001-20								
Station ID: HW28a								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:38	EPA 245.1/R3QA131
Lab ID: 1202001-21								
Station ID: HW28a-F								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:40	EPA 245.1/R3QA131
Lab ID: 1202001-22								
Station ID: HW28a-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/09/12	02/10/12 11:42	EPA 245.1/R3QA131
Lab ID: 1202001-23								
Station ID: HW39								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 10:44	EPA 245.1/R3QA131



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-24								
Station ID: HW39-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 10:48	EPA 245.1/R3QA131
Lab ID: 1202001-25								
Station ID: HW39-PF								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 10:52	EPA 245.1/R3QA131
Lab ID: 1202001-26								
Station ID: HW40								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 10:54	EPA 245.1/R3QA131
Lab ID: 1202001-27								
Station ID: HW40-F								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 10:56	EPA 245.1/R3QA131
Lab ID: 1202001-28								
Station ID: HW40-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 11:02	EPA 245.1/R3QA131



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-29								
Station ID: HW40-PF								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 11:04	EPA 245.1/R3QA131
Lab ID: 1202001-30								
Station ID: HW41								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 11:06	EPA 245.1/R3QA131
Lab ID: 1202001-31								
Station ID: HW41-F								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 11:08	EPA 245.1/R3QA131
Lab ID: 1202001-32								
Station ID: HW41-P								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/15/12	02/16/12 11:10	EPA 245.1/R3QA131
Lab ID: 1202001-33								
Station ID: HW41-PF								
Sample Matrix: Drinking Water								
Collected: 02/02/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 11:56	EPA 245.1/R3QA131



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-37								
Station ID: HW28b-PF								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:00	EPA 245.1/R3QA131
Lab ID: 1202001-38								
Station ID: HW28a-PF								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:08	EPA 245.1/R3QA131
Lab ID: 1202001-39								
Station ID: HW39-F								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:10	EPA 245.1/R3QA131
Lab ID: 1202001-40								
Station ID: HW09-PF								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:12	EPA 245.1/R3QA131
Lab ID: 1202001-41								
Station ID: FB10-F								
Sample Matrix: Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:14	EPA 245.1/R3QA131



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**Site Name: Dimock Residential Groundwater****Project #: DAS R33907****Total Metals**

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-42								
Station ID: HW09-F								
Sample Matrix: Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:16	EPA 245.1/R3QA131
Lab ID: 1202001-43								
Station ID: HW28b-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:18	EPA 245.1/R3QA131
Lab ID: 1202001-44								
Station ID: HW09								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:20	EPA 245.1/R3QA131
Lab ID: 1202001-45								
Station ID: HW09-P								
Sample Matrix: Drinking Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:28	EPA 245.1/R3QA131
Lab ID: 1202001-46								
Station ID: FB10								
Sample Matrix: Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:32	EPA 245.1/R3QA131



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202001-51								
Station ID: HW39-RO								
Sample Matrix: Water								
Collected: 02/03/2012								
Mercury	U		0.2	ug/L	1	02/13/12	02/14/12 12:34	EPA 245.1/R3QA131



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data

Physical Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB20701 - TDS/TSS prep

Blank (BB20701-BLK1)

Prepared: 02/07/12 08:55 Analyzed: 02/08/12 11:05

Total Dissolved Solids U 10 mg/L

Duplicate (BB20701-DUP1)

Source: 1202001-17

Prepared: 02/07/12 08:55 Analyzed: 02/08/12 11:05

Total Dissolved Solids 200 10 mg/L 192 4 20

Duplicate (BB20701-DUP2)

Source: 1202001-30

Prepared: 02/07/12 08:55 Analyzed: 02/08/12 11:05

Total Dissolved Solids 200 10 mg/L 194 3 20

Reference (BB20701-SRM1)

Prepared: 02/07/12 08:55 Analyzed: 02/08/12 11:05

Total Dissolved Solids 232 mg/L 230.00 101 74-126

Batch BB20702 - TDS/TSS prep

Blank (BB20702-BLK1)

Prepared: 02/07/12 08:58 Analyzed: 02/08/12 09:15

Total Suspended Solids U 10 mg/L

Duplicate (BB20702-DUP1)

Source: 1202001-17

Prepared: 02/07/12 08:58 Analyzed: 02/08/12 09:15

Total Suspended Solids U 10 mg/L 0 20

Duplicate (BB20702-DUP2)

Source: 1202001-30

Prepared: 02/07/12 08:58 Analyzed: 02/08/12 09:15

Total Suspended Solids U 10 mg/L 0 20

Reference (BB20702-SRM1)

Prepared: 02/07/12 08:58 Analyzed: 02/08/12 09:15

Total Suspended Solids 31 mg/L 34.100 91 72-118



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data

Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22102 - Nutrient Prep

Blank (BB22102-BLK1)

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:03

Nitrite + Nitrate as N	U	0.050	mg/L							
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LCS (BB22102-BS1)

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:06

Nitrite + Nitrate as N	2.923	0.050	mg/L	3.0000		97	85-115			
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Duplicate (BB22102-DUP1)

Source: 1202001-13

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:19

Nitrite + Nitrate as N	0.902	0.050	mg/L		0.914			1	20	
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Duplicate (BB22102-DUP2)

Source: 1202001-43

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:37

Nitrite + Nitrate as N	0.855	0.050	mg/L		0.858			0.4	20	
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MRL Check (BB22102-MRL1)

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:07

Nitrite + Nitrate as N	0.046	0.050	mg/L	0.050000		92	60-140			
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Matrix Spike (BB22102-MS1)

Source: 1202001-17

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:22

Nitrite + Nitrate as N	0.916	0.050	mg/L	1.0000	U	92	85-115			
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Matrix Spike (BB22102-MS2)

Source: 1202001-44

Prepared: 02/22/12 10:41 Analyzed: 02/22/12 12:39

Nitrite + Nitrate as N	3.227	0.050	mg/L	1.0000	2.389	84	85-115			A
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Batch BB22104 - Nutrient Prep

Blank (BB22104-BLK1)

Prepared: 02/21/12 10:52 Analyzed: 02/23/12 17:27

Total Nitrogen	U	1.00	mg/L							
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LCS (BB22104-BS1)

Prepared: 02/21/12 10:52 Analyzed: 02/23/12 17:30

Total Nitrogen	7.13	1.00	mg/L	7.0000		102	85-115			
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater**Project #: **DAS R33907**

QC Data

Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22104 - Nutrient Prep

Duplicate (BB22104-DUP1)		Source: 1202001-13		Prepared: 02/21/12 10:52		Analyzed: 02/23/12 17:46				
Total Nitrogen	2.20	1.00	mg/L		0.91			83	20	A
Duplicate (BB22104-DUP2)		Source: 1202001-43		Prepared: 02/21/12 10:52		Analyzed: 02/23/12 18:05				
Total Nitrogen	0.90	1.00	mg/L		0.85			6	20	
MRL Check (BB22104-MRL1)				Prepared: 02/21/12 10:52		Analyzed: 02/23/12 17:32				
Total Nitrogen	0.905300	1.00	mg/L	1.0000		91	0-200			
Matrix Spike (BB22104-MS1)		Source: 1202001-17		Prepared: 02/21/12 10:52		Analyzed: 02/23/12 17:48				
Total Nitrogen	4.93	1.00	mg/L	5.0000	U	99	85-115			
Matrix Spike (BB22104-MS2)		Source: 1202001-44		Prepared: 02/21/12 10:52		Analyzed: 02/23/12 18:08				
Total Nitrogen	7.41	1.00	mg/L	5.0000	2.63	96	85-115			

Batch BB22105 - TP water Prep

Blank (BB22105-BLK1)				Prepared: 02/15/12 14:01		Analyzed: 02/16/12 14:14				
Total Phosphorus	U	0.050	mg/L							
LCS (BB22105-BS1)				Prepared: 02/15/12 14:01		Analyzed: 02/16/12 14:14				
Total Phosphorus	0.992	0.050	mg/L	1.0000		99	90-110			
Duplicate (BB22105-DUP1)		Source: 1202001-20		Prepared: 02/15/12 14:01		Analyzed: 02/16/12 14:14				
Total Phosphorus	U	0.050	mg/L		0.00				20	
Matrix Spike (BB22105-MS1)		Source: 1202001-20		Prepared: 02/15/12 14:01		Analyzed: 02/16/12 14:14				
Total Phosphorus	0.570	0.050	mg/L	0.60000	0.00	95	69.9-121.9			



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Project #: DAS R33907

QC Data

Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22105 - TP water Prep

Reference (BB22105-SRM1)

Prepared: 02/15/12 14:01

Analyzed: 02/16/12 14:14

Total Phosphorus	0.973		mg/L	1.0000		97	75.8-128			
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Reference (BB22105-SRM2)

Prepared: 02/15/12 14:01

Analyzed: 02/16/12 14:14

Total Phosphorus	0.524		mg/L	0.50000		105	64.6-140.4			
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Batch BB22201 - Oil and Grease Prep

Blank (BB22201-BLK1)

Prepared: 02/22/12 09:34

Analyzed: 02/22/12 15:00

Oil & Grease (HEM)	U	5.0	mg/L							
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LCS (BB22201-BS1)

Prepared: 02/22/12 09:34

Analyzed: 02/22/12 15:00

Oil & Grease (HEM)	35.7	5.0	mg/L	39.885		90	78-114			
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Duplicate (BB22201-DUP1)

Source: 1202001-13

Prepared: 02/22/12 09:34

Analyzed: 02/22/12 15:00

Oil & Grease (HEM)	U	5.0	mg/L		U			20		
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MRL Check (BB22201-MRL1)

Prepared: 02/22/12 09:34

Analyzed: 02/22/12 15:00

Oil & Grease (HEM)	4.4	5.0	mg/L	7.9770		55	60-140			A
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Matrix Spike (BB22201-MS1)

Source: 1202001-17

Prepared: 02/22/12 09:34

Analyzed: 02/22/12 15:00

Oil & Grease (HEM)	34.7	5.0	mg/L	39.885	U	87	78-114			
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Reference (BB22201-SRM1)

Prepared: 02/22/12 09:34

Analyzed: 02/22/12 15:00

Oil & Grease (HEM)	38.2		mg	44.100		87	66.6-113.2			
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Batch BB22402 - Oil and Grease Prep

Blank (BB22402-BLK1)

Prepared: 02/24/12 10:04

Analyzed: 02/24/12 16:03

Oil & Grease (HEM)	U	5.0	mg/L							
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701 Mapes Road
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Site Name: **Dimock Residential Groundwater**Project #: **DAS R33907**

QC Data

Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22402 - Oil and Grease Prep

LCS (BB22402-BS1)

Prepared: 02/24/12 10:04 Analyzed: 02/24/12 16:03

Oil & Grease (HEM)	38.3	5.0	mg/L	39.885	96	78-114
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Duplicate (BB22402-DUP1)

Source: 1202001-46

Prepared: 02/24/12 10:04 Analyzed: 02/24/12 16:03

Oil & Grease (HEM)	U	5.0	mg/L	U	20
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MRL Check (BB22402-MRL1)

Prepared: 02/24/12 10:04 Analyzed: 02/24/12 16:03

Oil & Grease (HEM)	5.7	5.0	mg/L	7.9770	71	60-140
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Matrix Spike (BB22402-MS1)

Source: 1202001-45

Prepared: 02/24/12 10:04 Analyzed: 02/24/12 16:03

Oil & Grease (HEM)	40.0	5.0	mg/L	39.885	U	100	78-114
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Reference (BB22402-SRM1)

Prepared: 02/24/12 10:04 Analyzed: 02/24/12 16:03

Oil & Grease (HEM)	37.7		mg	44.100	85	66.6-113.2
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Project #: DAS R33907

QC Data

Anions

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22101 - Anions Water Prep

Blank (BB22101-BLK1)

Prepared: 02/14/12 10:37 Analyzed: 02/14/12 10:44

Bromide	U	0.500	mg/L
Chloride	U	0.250	"
Fluoride	U	0.100	"
Sulfate as SO ₄	U	0.500	"

LCS (BB22101-BS1)

Prepared: 02/14/12 10:37 Analyzed: 02/14/12 10:44

Bromide	10.1	0.500	mg/L	10.000	101	90-110
Chloride	5.04	0.250	"	5.0000	101	90-110
Fluoride	2.02	0.100	"	2.0000	101	90-110
Sulfate as SO ₄	10.1	0.500	"	10.000	101	90-110

Duplicate (BB22101-DUP1)

Source: 1202001-20

Prepared: 02/14/12 10:37 Analyzed: 02/14/12 10:44

Bromide	U	0.500	mg/L	U		15
Chloride	11.3	0.250	"	11.3	0	10
Fluoride	U	0.100	"	U		10
Sulfate as SO ₄	10.8	0.500	"	10.7	0.9	10

Matrix Spike (BB22101-MS1)

Source: 1202001-20

Prepared: 02/14/12 10:37 Analyzed: 02/14/12 10:44

Bromide	4.97	0.500	mg/L	5.0000	U	99	91.9-105.3
Chloride	13.8	0.250	"	2.5000	11.3	100	85-112.7
Fluoride	1.02	0.100	"	1.0000	U	102	80.5-121.4
Sulfate as SO ₄	15.7	0.500	"	5.0000	10.7	100	86.4-112.5

Reference (BB22101-SRM1)

Prepared: 02/14/12 10:37 Analyzed: 02/14/12 10:44

Bromide	10.1		mg/L	10.000	101	90-110
Chloride	5.02		"	5.0000	100	90-110
Fluoride	2.00		"	2.0000	100	90-110
Sulfate as SO ₄	10.2		"	10.000	102	90-110



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Site Name: **Dimock Residential Groundwater**Project #: **DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB20704 - Mercury 245.1/245.2/7470a Prep**Blank (BB20704-BLK1)**

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 10:43

Mercury	U	0.2	ug/L
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Blank (BB20704-BLK2)

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 11:17

Mercury	U	0.2	ug/L
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LCS (BB20704-BS1)

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 10:45

Mercury	1.791	0.2	ug/L	2.0000	90	85-115
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Duplicate (BB20704-DUP1)Source: **1202001-01**

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 10:51

Mercury	U	0.2	ug/L	U	20
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Duplicate (BB20704-DUP2)Source: **1202001-17**

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 11:32

Mercury	U	0.2	ug/L	U	20
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Matrix Spike (BB20704-MS1)Source: **1202001-02**

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 10:55

Mercury	1.819	0.2	ug/L	2.0000	U	91	70-130
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Matrix Spike (BB20704-MS2)Source: **1202001-18**

Prepared: 02/09/12 09:30 Analyzed: 02/10/12 11:36

Mercury	1.725	0.2	ug/L	2.0000	U	86	70-130
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Batch BB20904 - Mercury 245.1/245.2/7470a Prep**Blank (BB20904-BLK1)**

Prepared: 02/13/12 10:16 Analyzed: 02/16/12 10:38

Mercury	U	0.2	ug/L
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Blank (BB20904-BLK2)

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 11:54

Mercury	U	0.2	ug/L
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB20904 - Mercury 245.1/245.2/7470a Prep

Blank (BB20904-BLK3)

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 14:36

Mercury	U	0.2	ug/L							
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LCS (BB20904-BS1)

Prepared: 02/13/12 10:16 Analyzed: 02/16/12 10:40

Mercury	1.863	0.2	ug/L	2.0000		93	85-115			
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LCS (BB20904-BS2)

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 12:40

Mercury	1.97	0.2	ug/L	2.0000		98	85-115			
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Duplicate (BB20904-DUP1)

Source: 1202001-23

Prepared: 02/13/12 10:16 Analyzed: 02/16/12 10:46

Mercury	U	0.2	ug/L		U				20	
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Duplicate (BB20904-DUP2)

Source: 1202001-33

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 11:58

Mercury	0.0273	0.2	ug/L		0.0268			2	20	
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Duplicate (BB20904-DUP3)

Source: 1202001-44

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 12:26

Mercury	U	0.2	ug/L		U				20	
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Matrix Spike (BB20904-MS1)

Source: 1202001-24

Prepared: 02/13/12 10:16 Analyzed: 02/16/12 10:50

Mercury	1.821	0.2	ug/L	2.0000	U	91	70-130			
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Matrix Spike (BB20904-MS2)

Source: 1202001-37

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 12:02

Mercury	1.959	0.2	ug/L	2.0000	0.0305	96	70-130			
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Matrix Spike (BB20904-MS3)

Source: 1202001-45

Prepared: 02/13/12 10:16 Analyzed: 02/14/12 12:30

Mercury	2.015	0.2	ug/L	2.0000	U	101	70-130			
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Notes and Definitions

UJ The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.

J The identification of the analyte is acceptable; the reported value is an estimate.

A Quality control value is outside acceptance limits.

%REC Percent Recovery

RPD Relative Percent Difference

U Analyte included in the analysis, but not detected at or above the quantitation limit.

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.